Tanisha Priya

***Phone** : +91 6207304690 |**Email**: priyatanisha99@gmail.com*
***LinkedIn Id**:https://www.linkedin.com/in/tanisha-priy00b5b324ba-/*

Education

VIT Bhopal University *Bhopal,MadhyaPradesh*
B.Tech in Computer Engineering spec. in Health Informatics *(September2022 - July2026)*
Current Cumulative GPA:8.67/10

South Point Public School
CBSE12th Standard *Patna,Bihar*
Achieved Cumulative Percentage:79% *(July 2021)*

Don Bosco School
ICSE 10th Standard *Katihar,Bihar*
Achieved Cumulative Percentage: 85.2% *(May 2019)*

Work Experience

Preprod Corp
Data Analyst Intern *(September 2024-Dec 2024)*

- Applied supervised, unsupervised, and reinforcement learning techniques while pre-processing 1,000+ text samples—reducing noise by 20% and improving model efficiency by 15%.
- Developed a Sequence-to-Sequence sentiment analysis model in PyTorch with 85% accuracy.
- Engineered a dual-purpose AI system using transfer learning—BERT for sentiment analysis (70% accuracy) and YOLOv8 for real-time mask detection (87% precision).
- Designed and optimized ETL pipelines leveraging SQL and big data technologies, ensuring 99.9% data integrity and timely data processing.

Projects

Auto ML Website | *Python, JavaScript, Scikit-learn, TensorFlow,.* *(August 2024)*

- Transformed an AutoML Website capable of ingesting supervised learning datasets with up to 5,000 rows and 10 columns, supporting CSV, XLSX, and XLS formats. Implemented automated data preprocessing and model training workflows to streamline machine learning experimentation and deployment.
- Established a user interface using HTML, CSS, and JavaScript, enhancing the page's user experience (UX).
- Integrated backend functionality with Python, training 5 models using a variety of AI/ML algorithms.

Sakhisangam – Financial Inclusion Website | *Rasa, React.js, Python,ML.* *(January 2025-Ongoing)*

- Financial Chatbot & Budgeting System: Created an intelligent chatbot using Rasa NLP to deliver real-time financial support, enhancing financial literacy and expense management for over 300 active users.
- Personalized Budgeting & Recommendations: Engineered a system that analyzes user income, spending habits, and financial goals with integrated ML models, enabling tailored budgeting strategies and custom saving plans.
- Secure & Scalable Architecture: Built a robust backend in Node.js with seamless API integration for real-time data processing, and reshaped a user-friendly React.js frontend that improved financial tracking and user engagement by 25%.

Breast Cancer Detection | *Python, TensorFlow, Scikit-learn,Matplotlib.* *(December 2023–January 2024)*

- Leveraged advanced machine learning techniques, such as deep learning and neural networks, to contribute to breast cancer research by analyzing histopathological data from the BreakHis400x dataset.
- Employed a state-of-the-art convolutional neural network (CNN) model, incorporating techniques like transfer learning and fine-tuning, to classify breast cancer images with a remarkable 95.47% accuracy rate.
- Formulated and precisely optimized a robust machine learning model using advanced data preprocessing, feature extraction, and hyperparameter tuning, achieving high precision in detecting breast cancer patterns from over 5,000 histopathological images.

Achievements

- Attained recognition among the Top 6 competitors in Buildathon 2024; demonstrated exceptional analytical abilities while collaborating across disciplines to deliver impactful projects that stood out amidst competition from more than thirty teams.
- Achieved 5stars in C++ and 3stars in Python on HackerRank.
- Completed 200+questions on LeetCode and earned 50 days badge of 2024

Extracurricular

Member of AI club (December 2023–Ongoing)

Additional

Technical Skills: C++,Java, Python, HTML,CSS, JavaScript, Node Js, Machine Learning,Microsoft Tools,AI.
Languages: *Fluent in Hindi, English, Maithili*
Certifications& Training: (1)Mastering Data Structures and Algorithms using C and C++(Udemy)
(2)The Bits and Bytes of Computer Networking by Google (Coursera)